

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 109 22417 A

Approval Date: 02/20/2014

Expiration Date: 08/20/2014

Directional Hole Oil & Gas

Amend reason: ADD FORMATIONS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 02 Twp: 14N Rge: 3W

County: OKLAHOMA

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 705 729

Lease Name: MEADE

Well No: 1-1

Well will be 705 feet from nearest unit or lease boundary.

Operator Name: MEADE ENERGY CORPORATION

Telephone: 4058431544

OTC/OCC Number: 15342 0

MEADE ENERGY CORPORATION  
5605 N CLASSEN BLVD  
OKLAHOMA CITY, OK 73118-4015

MEADE LLC  
5605 N. CLASSEN BLVD.  
OKLAHOMA CITY OK 73118

Formation(s) (Permit Valid for Listed Formations Only):

|   | Name         | Depth |    | Name         | Depth |
|---|--------------|-------|----|--------------|-------|
| 1 | PERRY        | 4570  | 6  | PRUE         | 5800  |
| 2 | HOGSHOOTER   | 4960  | 7  | VERDIGRIS    | 5850  |
| 3 | TRUE LAYTON  | 5000  | 8  | BARTLESVILLE | 5928  |
| 4 | CHECKERBOARD | 5250  | 9  | WOODFORD     | 5970  |
| 5 | OSWEGO       | 5738  | 10 | HUNTON       | 6020  |

Spacing Orders: 25175  
624212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6450

Ground Elevation: 1118

**Surface Casing: 930**

Depth to base of Treatable Water-Bearing FM: 680

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26454

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

**DIRECTIONAL HOLE 1**

Sec 01 Twp 14N Rge 3W County OKLAHOMA

Spot Location of End Point: C NW NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 330

Measured Total Depth: 6450

True Vertical Depth: 6100

End Point Location from Lease,

Unit, or Property Line: 330

**Notes:**

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

| Category             | Description  |
|----------------------|--|
| FRAC FOCUS           | 2/14/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK <a href="http://fracfocus.org/">HTTP://FRACFOCUS.ORG/</a> OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM |
| MUNICIPAL WATER WELL | 2/14/2014 - G71 - EDMOND, 1 WELL, SE4 34-15N-3W  |
| POINT OF ENTRY       | 2/20/2014 - G75 - WILL BE AT LEAST 330' FROM BOUNDARIES OF NW4 NW4 1-14N-3W PER OPERATOR   |
| SPACING - 25175      | 2/18/2014 - G75 - (40) W2 1-14N-3W<br>EXT 23994/24611 BRVL   |
| SPACING - 624212     | 6/24/2014 - G75 - (40) NW4 NW4 1-14N-3W<br>EXT 289247 PRRY, HGSR, LYTNT, CCKB, OSWG, PRUE, VRDG, HNTN, OTHER<br>EST WDFD   |

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109 22417 MEADE 1-1